

## Preliminary Program

### Minnesota Invasive Species Conference

Acting Locally to Protect our Legendary Lands and Waters

**October 26—29, 2008**



**About the Conference** – This first annual statewide conference will be held to improve management and to minimize the impacts of terrestrial and aquatic invasive species. Presentations by experts will cover new and innovative research, management, outreach and technological developments related to ecology and impacts, prevention and containment, early detection and rapid response, control and management, and eradication and restoration.

**Conference Location** – The Duluth Entertainment Convention Center (DECC), Duluth, Minnesota, is the venue for the entire conference. Pre-conference workshops will be held on Sunday, October 26. Plenary and technical concurrent sessions will be held October 27-28.

Exhibits and posters will be on display in Edmund Fitzgerald Hall (DECC) throughout the conference. Receptions and breaks are planned for this area, giving registrants the opportunity to visit with the exhibitors and view the posters on display. Exhibitors will include associations, organizations, and businesses, all of whom are involved in working with invasive species. The posters will be from those submitted by abstract as well as those submitted by students from area schools and clubs.

**Who Will Attend** – Approximately 250 professionals will attend this first annual conference. The anticipated audience includes researchers; students; consultants; business and industry professionals; land and water managers; conservation organizations; environmental organizations; lake associations; coalition of lake association representatives; county agriculture inspectors; crop consultants; and landscape and lawn professionals.

**Pre-Conference Workshops** – Several pre-conference workshops will be held on Sunday, October 26. The topics for the workshops are designed to be of interest to professionals and those in the public sector who are involved in lake associations, business owners (resorts, beaches, wood suppliers, etc.), landscape and lawn professionals, etc. See page 3 of this publication for more detailed information.

**Youth Field Day with Invaders** – Middle and senior high school students from the area, as well as those involved in local clubs such as 4H, have been invited to submit essays and posters in separate contests. A field day is also available that will allow high school students to attend a portion of the conference technical program as well as take part in sessions at the Great Lakes Aquarium. Interested students should contact Sarah Erickson at the Great Lakes Aquarium ([serickson@glaquarium.org](mailto:serickson@glaquarium.org)) or Nancy Herselius, Conference Administrator ([info@mnisc.org](mailto:info@mnisc.org)) for specifics.

Many networking opportunities will be offered. Technical and sightseeing tours are available on Sunday, October 26 and Wednesday, October 29.

**If you need information on invasive species in Minnesota,  
you don't want to miss this conference!**

### Program Information

Workshops, oral presentations, and posters fall into one of five categories:

- Invasive Species Biology, Ecology, Impacts, and Distribution
- Invasive Species Prevention and Containment
- Invasive Species Early Detection and Rapid Response
- Invasive Species Control and Management
- Post-Invasion Restoration

Visit the conference web site, [www.minnesotaswcs.org](http://www.minnesotaswcs.org), for further information on MNISC!

Up-to-date plenary session information, complete concurrent sessions,  
and other information will be posted as it becomes available.

Questions? Contact Conference Administrator Nancy Herselius at [info@mnisc.org](mailto:info@mnisc.org).

## SPECIAL CONFERENCE SESSIONS



Don't miss the **Plenary Session** on Monday, October 27, 10:15 AM! Featured speakers are Miles Falk, GLIFWC; MN Representative Dennis Ozment; Association of County Ag Inspectors (invited); and a representative from Hubbard County COLA (invited). All presentations will focus on efforts to address invasive species.

**Congressman James Oberstar** has been invited to speak during the Ballast Water Symposium and as the keynote speaker at the Awards Luncheon on Monday, October 27.

**Introduction to Invasive Species Management**, a training course designed for public and private sector professionals responsible for managing land where invasive species are a concern, will be held on Tuesday, October 28. A field trip to view and discuss management practices will be part of this course, on Wednesday, October 29. Registration is mandatory for this session, using the form on page 7.

## EXHIBITS SPACE / SPONSORSHIPS AVAILABLE!

Take advantage of this first annual conference. Be one of the ground breaking sponsors and/or exhibitors.

For information, visit [www.minnesotaswcs.org](http://www.minnesotaswcs.org), send an email to [info@mnisc.org](mailto:info@mnisc.org), or call the conference administrator at 515.480.2420 and complete sponsorship information will be forwarded.

## AWARDS LUNCHEON

The Awards Luncheon will be held on Monday, October 27, 12:00 – 1:30 PM. Included will be the presentation of the Carol Mortensen Invasive Species Management Award, an award recognizing the contributions of one of the members of the Minnesota Invasive Species Advisory Council, Carol Mortensen. Hosted by the Great Lakes Aquarium, *Restore the Balance Youth Program* essay and poster awards will also be presented to the youths.

## SOCIAL EVENT

Join us for an evening of networking and relaxing at the Duluth Curling Club! Food and beverages will be offered at no additional cost in the restaurant of the club. If you wish to curl or learn to curl, instruction and time on the ice is offered at \$10 per person. Indicate your intent to attend on the registration form on page 7. (Note: Alcoholic beverages will be available on a cash basis.)

## MN SWCS BUSINESS MEETING

The MN SWCS Chapter will be hosting a business meeting / social event on Monday, October 27, 2008, starting at 4:45 pm. The business portion of the meeting is to develop a plan of action for Chapter funds with the help of a facilitator. There will also be complimentary "beverages" available for attendees.



The **Duluth Entertainment Convention Center** provides the ideal setting for the Minnesota Invasive Species Conference. Panoramic views of the Aerial Lift Bridge and Lake Superior are a spectacular backdrop, and when combined with the excellent meeting space, provide an outstanding location for an exchange of information on invasive species. The Duluth Entertainment Convention Center is barrier-free, in compliance with the ADA.



A block of rooms has been set aside at the **Holiday Inn Hotel and Suites**, on the waterfront at 200 West First Street. Located in the center of downtown, the hotel has easy access by skywalk to the Duluth Entertainment Convention Center, shopping, nightclubs, theaters, and more. This hotel offers three great restaurants – Porter's, Sneaker Sports Bar & Grill, and The Greenery Bakery & Café. Free covered parking and a 15-minute drive from the airport; two pools, whirlpools and saunas are just some of the amenities offered. Guest room amenities include voice mail, data port, coffeemaker, hair dryer, clock radio, 27-inch TV, and iron with board. There is also access to wireless Internet.

The cost of guest rooms is \$74 per night for single and double accommodations, \$84 per night for triple and quad accommodations. Tax of 13% will be added to the above amounts. Reservations must be made no later than **Friday, September 26** by calling 218.722.1202. Be sure to mention that

you are with the Minnesota Invasive Species Conference to get the group rate. The group rate cannot be guaranteed after the cut off date. Rooms will be on an as-available basis after that date.

More Information on the Minnesota Invasive Species Conference can be found at [www.minnesota.swcs.org](http://www.minnesota.swcs.org)

## Schedule of Events

Sunday, October 26

9:00 AM—5:00 PM—Registration Open

11:30 AM—1:30 PM—Sunday Brunch Cruise

1:00—3:30 PM—French River Hatchery Tour

### Private Sector and Professional Plenary Session and Workshops

A plenary session and workshops based on topics of vital interest to those in the private sector and in professional positions will be held on Sunday, October 26. The plenary speakers will provide information on what will be covered during the workshops. Both terrestrial and aquatic topics will be covered. More details can be found on the conference web site: [www.minnesotaswcs.org](http://www.minnesotaswcs.org).

11:00 AM—12:30 PM—Workshop Plenary Session

12:30 AM—1:30 PM—Workshop Lunch and Networking

### Terrestrial Workshops

1:30 – 4:30 PM

**Workshop T1 – European Buckthorn and Exotic Earthworms – Their Role in Decline of Native Woodlands and Successful Management Techniques, including a Field Trip to Hartley Nature Center**

This workshop will provide attendees with a first-hand look at European buckthorn, a woody invasive plant, and exotic earthworms, both of which are implicated in the decline of native deciduous forest areas in the Upper Midwest. **Suggested Audience:** General public, forestry, ecology, landscape professionals, students interested in becoming more informed regarding ID and management of both buckthorn and exotic earthworms, and the role of invasive plants, animals and invertebrates in forest decline

1:30 – 2:15 PM

**Workshop T2 – Gypsy Moth and Oak Management**

This workshop will cover two broad areas: 1) the biology of the Insect, and 2) how landowners determine if forests are at risk of damage and, if so, what steps can be taken to minimize potential future losses. **Suggested Audience:** Private landowners and service providers working with private landowners

**Workshop T3 – Terrestrial Plant Identification**

Learn how to identify the top invasive species in Minnesota. **Suggested Audience:** Private landowners and managers; educators

Exhibits and Posters Set Up—2:00—5:00 PM

2:30 – 3:15 PM

**Workshop T4 – Managing Invasive Pests in Developed Areas – Urban and Community Forests**

This workshop will provide an overview of the invasive pests capable of impacting the health of our streets, yards, and park trees. **Suggested Audience:** Cabin and homeowners, tree care providers

**Workshop T5 – Emerald Ash Borer and Forest Management**

This workshop will cover two broad areas: 1) the insect, and 2) how landowners can determine if their forests are at risk of damage and, if so, what steps you can take to minimize potential future losses. **Suggested Audience:** Private landowners and service providers working with private landowners

**Workshop T6 – Forest Management with Invasive Species in Mind**

This workshop will provide information on how major invasive species will respond to forest management. **Suggested Audience:** Private landowners and managers; educators

**Workshop T7 - Terrestrial Plant Identification** (Repeat of Workshop T3)

**Workshop T8—Gypsy Moth and Oak Management** (Repeat of Workshop T2)

2:30 – 3:45 PM

**Workshop T9 – Managing Invasive Pests in Developed Areas—Urban and Community Forests** (Repeat of Workshop T4)

**Workshop T10 - Forest Management with Invasive Species in Mind** (Repeat of Workshop T6)

**Workshop T11 – Emerald Ash Borer and Forest Management** (Repeat of Workshop T5)

### Aquatic Workshops

1:30 – 2:15 PM

**Workshop A1 – Lake Vegetation Management Plan**

A step-by-step review of the Lake Vegetation Management Plan (LVMP) format, comments on the import of the respective sections and examples of plans and programs will be provided. **Suggested Audience:** Lake association leaders, management district staff, municipal government staff, and community representatives involved in or contemplating comprehensive invasive plant management, especially involving Eurasian watermilfoil or curlyleaf pondweed

**Workshop A2 – Aquatic Invasive Species Plant Identification**

This workshop will provide attendees with a detailed description of aquatic invasive species that can be found in Minnesota lakes and rivers, and will provide participants with a means of identifying these plants. **Suggested Audience:** Conservation officers, members of the public who frequent Minnesota lakes and rivers, members of lake associations interested in prevention and control, volunteers who may be involved in public access monitoring, members of the resort and angling communities who are interested in becoming more informed on invasive plant species

**Workshop A3 – Prevention and Treatment of Aquatic Invasive Species**

This workshop will focus on the means for preventing the spread of aquatic invasive species and will address accepted treatment methods. **Suggested Audience:** Conservation officers, members of the public who frequent Minnesota lakes and rivers, members of lake associations interested in prevention and control, volunteers who may be involved in public access monitoring, members of the resort and angling communities who are interested in becoming more informed on invasive plant species

### Aquatic / Terrestrial Workshop

**Workshop A/T1 – IS-HACCP**

9:30 AM – 4:45 PM

This full-day Invasive Species-Hazard Analysis and Critical Control Point (IS-HACCP) training workshop will help participants identify risks and develop procedures to prevent the spread of invasive species. **Suggested Audience:** Field biologists and botanists, university researchers, aquaculturists, and bait dealers. Registration preference will be given to Forest Service staff, however, others are encouraged to register on a first-come first-served basis. Space is limited to 30 registrants.

Opening Reception in Exhibit Hall—6:00—9:00 PM

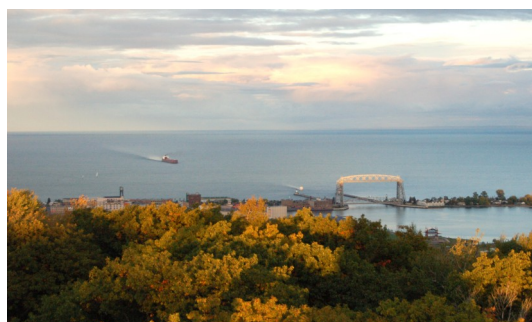


Photo by Chris J. Benson



## Monday, October 27

### 7:30 AM–5:00 PM—Registration Open

### 8:00 AM–4:00 PM—Youth Field Day with Invaders

#### 8:30—9:45 AM—Concurrent Sessions

##### **Biology and Distribution of Invasive Aquatic Plants**

*Curlyleaf Pondweed Abundance in South Central MN Lakes* - Paul Diedrich, Minnesota DNR  
*Curlyleaf Pondweed Turion Distribution, Viability, and Longevity: Implications for Management* - Raymond M. Newman, University of Minnesota  
*Aquatic Plant Invaders in Minnesota and on the Way* - Chip Welling, Minnesota DNR

##### **Distribution of Invasive Aquatic Animals**

*Invasive Macroinvertebrates in the Upper Mississippi River System: Recent Findings* - Ted R Angradi, US EPA  
*Rusty Crayfish Distribution on the Superior National Forest, Minnesota* - Jason T. Butcher, USDA Forest Service  
*Invasive Aquatic Animals in Minnesota and on the Way* - Jay Rendall, Minnesota DNR

##### **Biology and Impacts of Invasive Terrestrial Plants**

*Genetic Diversity Among and Between Populations of Common Tansy (Tanacetum vulgare)* - Benjamin Clasen, University of Minnesota  
*Canada Thistle Wind Dispersal* - Milton J. Haar, University of Minnesota  
*Impacts of Buckthorn and Garlic Mustard and Potential for Biocontrol* - University of Minnesota

##### **Invasive Terrestrial Animals and Pathogens of Agricultural or Horticultural Systems**

*Multicolored Asian Lady Beetle: A Beneficial Insect with Adverse Impacts* - Robert L. Koch, Minnesota DOA  
*A Review of Phytophthora ramorum and the Risk of Establishment in Minnesota* - Tina Seeland, Minnesota DOA  
*Potato Cyst Nematodes: What are They, Where are They, and Why Do We Care?* - Kathryn W. Kromroy, Minnesota DOA

#### **Plenary Session – Monday, 10:15 AM – 12:00 PM**

Welcome – Minnesota Invasive Species Advisory Council and Minnesota Invasive Species Conference Co-Chairs  
*Overview of the Great Lake Indian Fish and Wildlife Commission's Invasive Species Program in the Ceded Territory* – Miles Falck, GLIFWC  
*How Citizens Can Help State Legislators on Invasive Species Issues and Vice-Versa* – Representative Dennis Ozment  
*County Perspective* – Association of County Agriculture Inspectors (Invited)  
*County-wide Citizen Action to Stop Aquatic Hitchhikers* – Hubbard County COLA (Invited)

#### **Awards Lunch – Monday, 12:00 – 1:30 PM**

**Congressman James Oberstar** has been invited as keynote presenter for this event. He will speak on the Federal perspective of invasive species transportation. The **Carol Mortensen Invasive Species Management Award** will be given during this luncheon, as well as essay and poster awards for the youth program.

#### **Concurrent Sessions – Monday, 1:30 – 2:45 PM**

##### **Ballast Water Symposium – Part I**

*Welcome and Introductions* – Dale Bergeron, University of Minnesota Sea Grant Program  
*The 50th Anniversary of the St. Lawrence Seaway - Who Would Have Thought it Would be so Controversial?* - Adolph Ojard, Duluth Seaway Port Authority  
*Regulating Ballast Water From a Federal Perspective* – Congressman James Oberstar  
*MPCA's Ballast Water Regulation Program* - Mary Jean Fenske, MPCA

##### **Impacts of Invasive Aquatic Animals**

*Changing Age Structures in Populations of Zebra Mussels in the St. Croix National Scenic Riverway* - Byron Karns, National Park Service  
*The Effects of Bythotrephes longimanus on Fish Diets and Mercury Levels* - Victoria V. Olson, University of Minnesota

*Competitive Interactions Between the Round Goby (Neogobius melanostomus) and the Native Benthic Fish* - Allen F. Mensinger, University of Minnesota

##### **Invasive Species Prevention and Containment Strategies and Actions**

*Management Recommendations to Limit the Continued Spread of Exotic Earthworms in Working Forests* - Cindy Hale, University of Minnesota  
*Firewood Movement - Does It Really Spread Invasive Species? (The Inside Story)* - Kathryn W. Kromroy, Minnesota DOA  
*North Dakota's Aquatic Nuisance Species Prevention Activities* - Lynn R. Schlueter, North Dakota Game & Fish Dept.

##### **Invasive Terrestrial Animals and Pathogens of Forest Systems**

*Sirex Wood Wasp: A Potential Threat to Minnesota's Pine Resources* - Robert L. Koch, Minnesota DOA  
*Evaluating the Minnesota Emerald Ash Borer Response Plan* - Mark D. Abrahamson, Minnesota DOA  
*Gypsy Moth Biology* - Kimberly Thielen-Cremers, Minnesota DOA

#### **Break in Exhibit Hall—2:45—3:15 PM**

#### **Concurrent Sessions – Monday, 3:15 – 4:30 PM**

##### **Ballast Water Symposium – Part II**

*Responding to the Ballast Water Challenge or Commercial Shipping: Helping to Address the Issue* – Jim Weakley, Lake Carriers' Association  
*Assessment of Ballast Water Treatment in California* – Nicole Dobroski, California State Lands Commission  
*Update on US and Canadian Domestic Fleets: Assessment of Ballast Water Movement and Biota* – Sarah Bailey, University of Windsor, Canada  
*The Great Ships Initiative: Making Ballast Treatment in the Great Lakes a Reality* - Allegra Cangelosi, Northeast-Midwest Initiative  
*New Ballast Water Treatment Technologies: Killing Potentially Invasive Algae* – Euan Reavie, University of Minnesota  
*Testing Relationships Between Ballast Water Discharge Standards and the Establishment Success of Non-Native Species* – Matthew Teneyck, University of Wisconsin-Superior

##### **Impacts and Early Detection Surveys for Invasive Aquatic Animals**

*Early Detection Monitoring for Invasive Fish: St. Louis River (SLR) Pilot Study* - Greg Peterson, U.S. EPA  
*Comparison of Four Sampling Gears in Detecting Invasive Invertebrates in the Duluth-Superior Harbor* - Corlis W. West, US EPA  
*Impacts of the Exotic Zooplankton Bythotrephes longimanus on Island Reservoir* - John Lindgren, Minnesota DNR

##### **Outreach and Education for Aquatic Invasive Species**

*Habitat Attitude - Affecting Public Behavior to Prevent the Release of Aquatic Invasive Species* - Douglas A. Jensen, University of Minnesota Sea Grant Program  
*The Effects of University of Minnesota Educational Programming on Efforts by Minnesotans to Reduce Invasive Species* - Gary Wyatt, University of Minnesota Extension  
*Preventing the Spread of AIS from Water Gardening* - Barbara Liukkonen, University of Minnesota

##### **Applications of Technology and Modeling for Invasive Species Management**

*Modeling Invasive Species Population Growth in Response to Variable Temperatures* - Nadilia N. Gomez, University of North Dakota  
*Host Range and Climate Tolerance Predictions for the Mediterranean Pine Engraver* - Abigail J. Walter, University of Minnesota  
*Elimination of Invasiveness in Horticultural Crops Through Biotechnology* - Alan G. Smith, University of Minnesota

#### **MN SWCS Business Meeting—4:45–6:00 PM**

#### **Social Event—Duluth Curling Club—6:00–9:00 PM**

**Registration Open—7:30 AM—4:00 PM**

**Introduction to Invasive Species Management –  
Tuesday, 8:30 AM – 6:00 PM Course and Wednesday, 9:00 AM  
– 12:00 PM Field Trip**

This is a 1 ½ day training course available to conference registrants. The course is designed for public and private sector professionals responsible for managing land where invasive species are a concern. Learn to integrate an invasive species management plan into conservation plans for uplands such as for mid-contract management of CRP land, shelterbelts, wetland restoration, roadside management, or as part of Cooperative Weed Management Area planning. The agenda will cover physiology and ecology of major invasive species, tools for species identification, preventing invasion, federal and state guidelines and requirements, management tools and options as they relate to species physiology, how to prepare a management plan, and a field trip to view and discuss management practices. Instructors will be invasive species specialists from the University of Minnesota, DNR, NRCS, and local government units. CEUs and a Certificate of Completion will be available. Additional course information is at [tsp.umn.edu](http://tsp.umn.edu). Registration is mandatory for this event (see registration form on page 7).

**Concurrent Sessions – Tuesday, 8:30 – 9:45 AM  
Surveys for Management of Terrestrial Invasive Species**

*Mapping Weeds in Minnesota: Three Examples of Technology and Implementation* - Anthony Cortilet, Minnesota DOA  
*Assessing the Distribution of Invasive Plant Species Across Remnant Tallgrass Prairies of Minnesota* - Sara Vacek, US Fish and Wildlife Service  
*The Extent of Selected Non-Native Invasive Plants on Minnesota Forestland* - W. Keith Moser, USDA Forest Service

**Rapid Response and Response Planning for Invasive Species**

*Emerald Ash Borer: Status in North America and Activities in Minnesota* - Mark D. Abrahamson, Minnesota DOA  
*Gypsy Moth in Minnesota: Rapid Response Through Treatment* - Lucia Hunt, Minnesota DOA  
*Asian Mosquitoes in Minnesota: An Approach to Monitoring and Control* - Kirk Johnson, Metropolitan Mosquito Control District

**Outreach and Education for Aquatic Invasive Species**

*Stop Aquatic Hitchhikers! - Threat Campaign: Prevent Introduction of Aquatic Invasive Species* - Douglas H. Grann, Wildlife Forever  
*Minnesota as a Success Story in Aquatic Invasive Species Boater and Angler Education* - Douglas A. Jensen, University of Minnesota Sea Grant Program  
*DNR Watercraft Inspections and Opportunities for Local Action* - Heidi Wolf, Minnesota DNR

**Early Detection Surveys for Invasive Terrestrial Species**

*Overview of Invasive Plant Early Detection Program in Minnesota* - Blane White, Minnesota DOA  
*Emerald Ash Borer First Detector Training in Minnesota* - Mike Reichenbach, University of Minnesota Extension  
*Overview of the Cooperative Agricultural Pest Survey Program* - M. Essam Dabaan, USDA, APHIS, PPQ

**Break in Exhibit Hall—9:45—10:15 AM**

**Concurrent Sessions – Tuesday, 10:25 – 11:130 AM  
Management of Invasive Aquatic Plants**

*Assessment of Whole-Lake Herbicide Treatments for Management of Curlyleaf Pondweed* - James A. Johnson, University of Minnesota  
*Use of Herbicides for Management of Non-Native Invasive Aquatic Plants* - TBD, US Army Corps of Engineers  
*Increases in Native Plants Following Use of Combinations of Herbicides for Management of Two Non-Native Invasive Aquatic Plants* - TBD, US Army Corps of Engineers

**Integrated Pest Management for Invasive Aquatic Animals**

*Integrated Pest Management of the Common Carp* - Peter Sorensen, University of Minnesota

*Sex Pheromonal Attractants for Common Carp Appear Useful for Control* - Hangkyo Lim, University of Minnesota  
*A Juvenile Aggregation Pheromone in the Common Carp* - Haude Levesque, University of Minnesota

**Proactive Industry and Agency Procedures**

*Factors Responsible for Increasing Invasive Species Spread by the Horticultural Trade* - Neil O. Anderson, University of Minnesota  
*Ecosystem Management and Invasive Species* - Ann Pierce, Minnesota Department of Natural Resources  
*Overview of DNR's Invasive Species Operational Order* - Luke Skinner, Minnesota DNR

**Other Considerations Regarding Control of Invasive Species**

*Cooperative, Large-scale Invasive Plant Management in Minnesota* - Monika A. Chandler, Minnesota DOA  
*EPA's Endangered Species Protection Program for Pesticides - An Overview* - Margaret Jones, US EPA  
*Controlling Invasive Buckthorn While Protecting the Endangered Minnesota Trout Lily* - Collie Graddick, Minnesota DOA

**Lunch in Exhibit Hall – 11:30 AM – 12:30 PM**

**Concurrent Sessions – Tuesday, 12:30 – 1:45 PM**

*Integrated Use of Herbicides and Insects to Control Eurasian Watermilfoil* - Michelle D. Marko, Connecticut Agricultural Experiment Station  
*Prospects for the Biological Control of Eurasian Watermilfoil with Aquatic Insects* - Raymond M. Newman, University of Minnesota  
*Curlyleaf Pondweed Management* - Wendy Crowell

**Mini-Symposium on Oak Wilt in Minnesota**

*An Economic Impact Assessment for Oak Wilt in Minnesota* - S.V. Mehta, University of Minnesota  
*The Three Year Efficacy of Oak Wilt Management Programs* - Gina Quiram, University of Minnesota  
*Relating Manager Priorities to Management Policy: The Case of Oak Wilt in Minnesota* - Leah Sharpe, University of Minnesota  
*Overseeing Oak Wilt: A Study of Risk Management Through In-Depth Interviews* - Adam Kokotovich, University of Minnesota

**Pest Risk Assessment for Invasive Species**

*Building an Introduction Risk Map for Emerald Ash Borer in Minnesota* - Mark D. Abrahamson, Minnesota DOA  
*What is Pest Risk Assessment for Invasive Species* - Rob Venette, US Forest Service  
*The Need for Regional Pest Risk Assessment* - Terry McDill, Minnesota DOA

**Cooperative Weed Management**

*Minnesota Grant Program for Cooperative Weed Management Areas* - Dan Shaw, Minnesota Board of Soil and Water Resources  
*Cooperative Weed Management Areas: Local Cooperation Equals Local Success in the Northwoods* - Carmen Chapin, National Park Service  
*Becker County Weed Management Area* - Marsha J. Watland, Becker Soil and Water Conservation District

**Break in Exhibit Hall—1:45—2:15 PM**

**Concurrent Sessions – Tuesday, 2:15 – 3:30 PM  
Biological Control for Terrestrial Invasive Species**

*Secondary Effects of Fungicides on Fungi Infecting the Invasive Soybean Aphid* - Karrie A. Koch, University of Minnesota  
*Soybean Aphid Biological Control* - Natasha Northrop, Minnesota DOA  
*Potential Non-Target Impacts in Prairies From Biocontrol of the Soybean Aphid* - Thelma T. Heidel, Purdue University

**Policies and Regulation for Terrestrial Invasive Species Management**

*Minnesota Seed Law Enforcement and Invasive Species* - Stephen Malone, Minnesota DOA  
*USDA Insect/Plant Disease Pest Quarantine Situations/Regulations Affecting Minnesota* - John Haanstad, USDA, APHIS, PPQ

(Continued on Page 6)

**Policies and Regulation for Aquatic Invasive Species Management**

*Assessing the Current State of Aquatic Invasive Species Policies in Minnesota* - Leah Sharpe, University of Minnesota  
*Policies to Prevent or Control Aquatic Invasive Species* - Dick Osgood, Lake Minnetonka Association

**Invasive Species Management and Post-Invasion Restoration of Natural Areas**

*Controlling Leafy Spurge: Interaction of Flea Beetle (Apthona SPP.) Effectiveness and Soil Type at Four Sites Within the Northern Tallgrass Prairie* - Meredith W. Cornett, The Nature Conservancy  
*Impacts of Garlic Mustard on Oak Woodland Plants: Implications for Restoration* - Laura Phillips, University of Minnesota  
*Cow Vetch (Vicia cracca) Infestation on Sand Prairie* - Richard Biske, The Nature Conservancy

**Exhibits and Posters Tear Down—4:00–6:00 PM**

**Wednesday, October 29**

**Registration Open—8:00–11:00 AM**

**Glensheen Mansion / Fitger's Tour—8:30 AM–12:00 PM**

**US EPA Laboratory Tour—9:00 AM–12:00 PM**

**Intro to Invasive Management Tour—9:00 AM–12:00 PM**

**Erie Pier, Large Lakes Observatory, GSI Ballast Water Testing Facility Tour—9:00 AM–1:00 PM**

**Superior National Forest Tour—9:00 AM–2:00 PM**

**Hawk Ridge Bird Observatory Tour—10:00 AM–12:00 PM**

**Harbor Cruise Tour—11:30 AM–1:00 PM**

**Poster Abstracts**

**Aquatic – By Topic Area**

Invasive Species Biology, Ecology, Impacts, and Distribution

- Adaptive Strategies of *Bythotrephes longimanus* in Lakes in Minnesota, Wisconsin, and Michigan

Invasive Species Control and Management

- Variation Among Purple Loosestrife Populations in Response to Biocontrol

**Terrestrial – By Topic Area**

Invasive Species Biology, Ecology, Impacts, and Distribution

- What Are the Alien Plants in Minnesota?
- Non-Native Invasive Terrestrial Plants Threaten the Woodland Ecosystem of Minnesota's Arrowhead Region
- Minnesota: Land of 3,400 (and Counting) Gypsy Moth Males

Invasive Species Prevention and Containment

- The Clay County Cooperative Weed Management Area / Pulling Together Initiative

Invasive Species Early Detection and Rapid Response

- Spiny Water Flea Monitoring and Proposed Best Management Practices for Reducing New Invasions on the Superior National Forest
- Minnesota Department of Agriculture's Exotic Bark Beetle Survey: Design, Implementation, and Results

Invasive Species Control and Management

- Biological Control of Invasive Plants in Minnesota
- A Biological Control Program for Common Tansy (*Tanacetum vulgare*) in Canada and the United States
- Monitoring Minnesota Garlic Mustard Populations in Anticipation of Future Biocontrol Release
- Garlic Mustard Control
- Non-Native Invasive Plant Control in the BWCAW: What Next?

As part of this important conference, we are offering both technical and sightseeing tours of areas that are unique to Duluth and the surrounding area. Tours are offered on two days – Sunday, October 26 and Wednesday, October 29. Visit the conference web site, [www.minnesotaswcs.org](http://www.minnesotaswcs.org), for full tour details.

**Sunday, October 26–Sightseeing Tours**

**French River Hatchery**

1:00 – 3:30 PM

Travel just to the north of Duluth to an area managed by the Minnesota Department of Natural Resources. Learn how they deal with boat and gear disinfection protocols, preventative measures taken, and flowing water precautions.

Fee of \$20 per person includes transportation and guided tour of the facility; Minimum 10; Maximum 20

**Vista Fleet Sunday Brunch Cruise**

11:30 AM – 1:30 PM

This fully narrated brunch cruise features an excellent assortment of scrumptious brunch favorites and beverages. Take in all the activity and spectacular scenery in the hard working Duluth Harbor on Lake Superior, the greatest of all the great lakes. Fee: \$29 per adult; Minimum 20

**Wednesday, October 29–Technical and Sightseeing Tours**

**US EPA, National Health and Environmental Effects Research Laboratory**

9:00 AM–12:00 PM

Four topic areas will be covered during this three hour tour of the US EPA facilities. The topics are: (1) Wildlife Toxicology, (2) Endocrine Disruption, (3) Environmental Indicators, and (4) Environmental Monitoring.

Fee of \$20 per person includes transportation and professional presentations. Minimum 20; Maximum 45

**Superior National Forest**

9:00 AM–2:00 PM

This tour will give participants a chance to better understand weed management challenges and opportunities on the Superior National Forest. Fee of \$20 per person includes transportation and a professional guide; Minimum 20; Maximum 45

**Erie Pier, Large Lakes Observatory, and the GSI Ballast Water Testing Facility**

9:00 AM–1:00 PM

**Erie Pier** is the Confined Disposal Site (CDF) for the Duluth Superior harbor. Located on the Duluth campus of the University of Minnesota, the **Large Lakes Observatory (LLO)** is the only institute in the country dedicated to the study of large lakes throughout the world. **Ballast Water Testing Facility** – The Great Ships Initiative (GSI) has established a land-based Research, Development and Technology Evaluation (RDTE) facility in Superior, Wisconsin to provide intensive testing services to vendors of ballast treatment prospects suitable to Seaway-sized vessels.

Fee of \$20 per person includes transportation and guided tours of all facilities; Minimum 20; Maximum 40

**Hawk Ridge Bird Observatory**

10:00 AM – 12:00 PM

Hawk Ridge has a fascinating history, from gunner's lair to bird watcher's paradise. As the birds migrate past Hawk Ridge, they provide an opportunity for bird research, education, and recreation.

Fee of \$15 per person includes admission into the observatory and deluxe motor coach transportation; Minimum: 20; Maximum 45

**Vista Fleet Harbor Cruise**

11:30 AM – 1:00 PM

Be part of the action and experience the greatest of the Great Lakes and the world's busiest inland seaport. View the Aerial Lift Bridge and see lake freighters, ocean-going ships from around the world, iron ore coal docks, lighthouses, breathtaking scenery and exciting harbor activity on this 1½ hour, fully narrated sightseeing cruise. Fee: \$14 per adult; Minimum: 20



**Minnesota Invasive Species Conference**  
**October 26-29, 2008**  
**Duluth, Minnesota**  
**Duluth Entertainment Convention Center**



## REGISTRATION FORM

**Early Registration Deadline:** In order to receive the early rate, registration and payment must be received by Tuesday, **September 15, 2008**. Required fields are indicated with an asterisk \*.

Name (please print)\* \_\_\_\_\_

Company/Organization \_\_\_\_\_

Address\* \_\_\_\_\_

City, State/Province\* \_\_\_\_\_

Zip/Postal Code\* \_\_\_\_\_ Country \_\_\_\_\_

Phone\* \_\_\_\_\_ Fax \_\_\_\_\_ E-mail\* \_\_\_\_\_

Physical or dietary restrictions? ☐ Yes ☐ No If yes, please indicate: \_\_\_\_\_

Registration Options	Early-By 09/15/08	9/16/08- on-site	#	Total Cost
Sunday Workshops (T2-T11 & A1-A3)	\$10	\$15		
Sunday Workshop T1 (Hartley Nature Center)	\$20	\$25		
IS-HACCP Workshop (Sunday)	\$30	\$35		
<b>Conference Registration</b>	\$125	\$135		
College Student Conference Registration	\$40	\$40		
One Day Registration Fee (Circle Monday or Tuesday)	\$80	\$85		
Awards Luncheon – Registrant	NC	NC		
Awards Luncheon – Spouse/Guest	\$25	\$30		
<b>Tours – Sunday, October 26</b>				
French River Fish Hatchery	\$20	\$25		
Vista Fleet – Always Special Sunday Brunch	\$29	\$32		
<b>Social Event – Curling Club, Monday, Oct. 27</b>	NC	NC		
<b>Social Event – Curling in the Curling Club</b>	\$10	\$12		
Invasive Species Management Training-Oct.28 & 29	NC	NC		
<b>Tours – Wednesday, October 29</b>				
U.S. EPA Research Lab	\$20	\$25		
Superior National Forest	\$20	\$25		
Erie Pier, Large Lakes Observatory, and Great Ships Initiative Ballast Water Testing Facility	\$20	\$25		
Hawk Ridge Bird Observatory	\$15	\$20		
Glensheen Mansion; Fitger's Museum & Brewery	\$20	\$25		
Vista Fleet – Harbor Cruise	\$18	\$23		
<b>Total</b>				

**Payment must accompany registration. Register online at [www.minnesotaswcs.org](http://www.minnesotaswcs.org) or print and complete this form, choosing a payment option below.**

☐ Check–Make checks payable to Minnesota SWCS ☐ Charge \$\_\_\_\_\_ to ☐ MasterCard ☐ Visa

Name on Credit Card \_\_\_\_\_

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_ Phone # \_\_\_\_\_

**Register and pay online at [www.minnesotaswcs.org](http://www.minnesotaswcs.org) OR return the completed form and payment to:  
 MNISC, c/o Nancy Herselius, PO Box 249, Bondurant, IA 50035 or Fax to 515.967.0299**

**Submit only one completed registration per person.**

## Registration Information

The conference registration fee covers one person. Guests are welcome to attend the Opening Reception on Sunday, October 26 and are required to pay the fee for other activities, such as the Awards Luncheon and tours.

Registration is offered online at [www.minnesotaswcs.org](http://www.minnesotaswcs.org), or you may print the form, complete it, and mail to:

MNISC Registration  
c/o Nancy Herselius  
PO Box 249  
Bondurant, IA 50035  
or fax to 515.967.0299

Payments for conference fees, tours, etc., must accompany the completed registration form and will be accepted by credit card (MasterCard or Visa) or check. Cancellation of a conference registration must be received in writing no later than Tuesday, September 30, 2008, to receive a full refund. No refunds will be made for the conference after this date as commitments to vendors must be met.

## Registration Hours On-Site

On-site registration will be located on the lower level of the Duluth Entertainment Convention Center, outside the Edmund Fitzgerald Exhibit Hall. The hours of registration operation are:

Sunday, October 26	9:00 AM—5:00 PM
Monday, October 27	7:30 AM—5:00 PM
Tuesday, October 28	7:30 AM—4:00 PM
Wednesday, October 29	8:00—11:00 AM

## Special Needs

Please indicate on the registration form any physical or dietary special needs. We are committed to meeting the needs of persons covered by the Americans with Disabilities Act.

A list of registrants and contact information will be printed for the conference and distributed to conference attendees only. If you do not want your information to appear in that listing, please check the appropriate box on the registration form.

## Workshops, Tours, Meals

Tours, special meal functions, and workshops will be handled on a reserved ticket basis only and must accompany a conference registration. Tickets will be sold at the conference based on availability but to guarantee participation it is best to purchase as early as possible. Tours, special meal functions, and workshops may be cancelled without sufficient participation. Refunds for sold out or cancelled activities will be given after the conclusion of the conference.

All tours organized by MNISC are subject to minimum and maximum capacity controls. We reserve the right to cancel if minimum registrations are not met or for other reasons beyond our control. Maximums may also be adjusted, so reserve your space early. If a tour is sold out or tour minimums are not met, the options will be to exchange the ticket(s) for another tour or take a full refund.

Direct questions on the Minnesota Invasive Species Conference to [info@mnisc.org](mailto:info@mnisc.org) or Nancy at 515.480.2420.



MNISC  
PO Box 249  
Bondurant, IA 50035